MEMORY MANAGEMENT SYSTEM FOR A DATA PROCESSING SYSTEM

ABSTRACT

A memory management system adapted to process large data files. The system

5   has a plurality of low storage capacity high speed memories and a lower speed high

storage capacity bulk memory. An access flow regulator generates requests for the

reading and writing of data files by the memories. Large data files have a first part and

an excess portion. Both parts of each file are written into the high speed memories.

The excess portion of each file is immediately transferred from the high speed memories

10   to the bulk memory while leaving the first part in the high speed memories. In read

operations, the first part is read from the high speed memories. The excess portion is

transferred from the bulk memory to the high speed memory in a burst mode and then

read from the high speed memories.